

Novel column packing material

Abstract

A porous silica particle suitable can be used in zwitterionic high performance liquid chromatography. The particle comprises covalently bound zwitterionic groups grafted through a polymerization reaction. A hydrophilic column packing material suitable for use as a stationary phase in zwitterionic high performance liquid chromatography may comprise porous silica particles. The particles may comprise covalently bound zwitterionic groups. Methods for manufacturing and applying the silica particles exist.